

**ABSTRACT OF THE DISCLOSURE**

A blade-type optical transmission apparatus includes a plurality of main-signal blades, each of which is provided with an external optical signal interface unit, a cross-connect unit, and an internal optical signal interface unit, a blade enclosure in which the plurality of main-signal blades are enclosed, and a back plane which is situated inside the blade enclosure and provides a ring connection for the internal optical signal interface unit between the main-signal blades.

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